



## THE AMERICAN INSTITUTE OF ARCHITECTS

May 13, 2015

### **Announcing the third AIA Taliesin Colloquium; Taliesin West, October 9-10, 2015**

*Sponsored and hosted by the Frank Lloyd Wright Foundation for the Historic Resources Committee and the Committee on the Environment of the American Institute of Architects.*

### **Whole-Building Life Cycle Assessment: *New Conversations in Holistic Sustainability and Preservation***

In 2015 there are new forces at play. Ed Mazria illuminated the next generation of the 2030 Challenge: the 2050 Roadmap. The central shift expands the program for sustainable architecture beyond operational energy performance to include holistic energy and environmental impacts by addressing full life-cycle of buildings and the broader building sector. 2015 is witnessing the launch of more holistic study of building materials. This is manifested through materials study, the proliferation of Environmental Product Declarations (EPD's), Health Product Declarations (HPD's), life-cycle analysis (LCA), Cradle-to-Cradle Certification (C2C), developments in LEED v4, and considerations in other green building programs like the Living Building Challenge (LBC). Whole-building life-cycle assessment is emerging as a tool.

Historic preservation architects have a unique perspective on the long-term value of buildings, understanding how different construction systems are durable and maintainable, and also what makes buildings valuable over generations. While technical life-cycle assessment methods capture some aspects of long-term value, the view of building life cycles takes a holistic approach. Understanding full life-cycle performance and impacts is critical for architects focused on conserving existing and historic buildings and places. Perspective gained from preserving and adapting buildings in service for decades, even centuries, adds to the appreciation of life-cycle performance and impacts. The development of whole-building life-cycle assessment has occurred primarily in the context of building re-use.

The program opens with an outdoor desert terrace reception followed by the keynote lecture on Friday evening, October 9, 2015, followed by the night lights tour of Frank Lloyd Wright's Taliesin West. The program continues with presentations by speakers on Saturday morning, October 11, 2015. After lunch (included), attendees will meet in topical break-out sessions for discussion. Discussion groups will report back in assembly to close the day.

The Frank Lloyd Wright Foundation, has launched *Energizing Taliesin West™*, a pioneering effort for a National Historic Landmark. The groundbreaking initiative will transform the property into "net zero" energy customer, producing as much energy as it consumes annually, while maintaining the historic and architectural integrity of the site. The comprehensive endeavor will focus on maximizing energy efficiency (through improved lighting, insulation, climate controls and other techniques) while generating clean renewable energy on-site.

***Learning units:*** *Approximately 8 hours of continuing education units will be provided for AIA members who attend.*

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